

Patent claims:

1. A bone dowel (10) for inserting a screw, for example for mutual fixing of bone fragments by means of an osteosynthesis plate, having the following features:

- a dowel jacket (12) of circular cross section, gently conical on the outside, tapering from the dowel head to the dowel base, has a through-hole (14) with a uniform cross section along its length;
- the dowel jacket (12) is interrupted along a generating line by a longitudinal slit (16), by which means the dowel jacket acquires a continuously C-shaped cross section;
- a limiting head flange (18) in the form of a countersunk head is formed integrally on the head part;
- the head part of the dowel jacket is provided, in the area of the longitudinal slit (16), with a bevel whose width decreases from the head part toward the dowel jacket;

- the dowel jacket has annular ribs (25) distributed with axial spacings along its entire length.
- 2. The bone dowel (10) as claimed in claim 1, wherein the annular ribs (25) are designed with sharp edges and in the form of barbs, and they have a steep flank (26) directed toward the head part, and a gentle flank (28) directed toward the base part.
- 3. The bone dowel (10) as claimed in claims 1 and 2, in which the dowel jacket additionally has longitudinal ribs (22) and longitudinal webs (30) as means of securing against rotation.
- 4. The bone dowel (10) as claimed in claims 1 through 3, in which the longitudinal webs (30) each extend between the annular ribs (25a), their outer edge extending in the maximum radial height of the annular ribs.
- 5. The bone dowel (10) as claimed in claim 4, in which the axially adjacent longitudinal webs (30) are each mutually offset in the circumferential direction.
- 6. The bone dowel (10) as claimed in claim 2, in which the gentle trailing flanks (28) directed toward the base part are of cone-shaped configuration and each extend as

far as the steep leading flank (26) of the following annular rib (25a).

7. The bone dowel (10) as claimed in claim 1, in which the bevel is configured as a V-shaped inlet aperture (32) of the longitudinal slit (16).
8. The bone dowel (10) as claimed in claims 1 and 3, in which, in the head part, the dowel jacket has longitudinal ribs (22) whose height decreases from the head flange (18) toward the first transverse rib.
9. The bone dowel (10) as claimed in claim 1, in which the last annular rib in the base part merges into a dome-shaped dowel base (34).
10. The bone dowel (10) as claimed in claims 1 through 9, in which the dowel and/or the screw is made of absorbable material.